

Maneuverable Canopy 6 (MC-6) Personnel Parachute System



MC-6 provides the airborne Soldier with a new tactical static line-deployed, steer-able personnel parachute replacing the legacy MC1 series parachute assembly, associated harness and reserve. The MC-6 has a lower rate of descent, lower opening shock, reduced canopy damage, better turn ratio, and a better glide ratio than the MC1-1C. These improvements result in better maneuverability, canopy control, reduced jumper injury, and reduced canopy damage. This program is a combined US Army & SOCOM project.

The MC-6 will be utilized throughout the full spectrum of operational and environmental conditions for specific Army units and Special Operations Forces (SOF) with a steer-able requirement. MC-6 integrates a non-standard main canopy (SF-10A) parachute with the harness (T-11) and reserve parachute (T-11R) from the Advanced Tactical Parachute System (ATPS). The MC-6 is an Army common item, Type Classified Standard sustainable system replacing the current MC1 series parachute assembly (Modified Improved Reserve Parachute System (MIRPS)).

System Description

Component Materials: The MC-6 main and reserve canopies are made of 1.1 oz., low porosity ripstop nylon, using block construction techniques to facilitate ease of manufacturing and repair. The main container bag is made of Cordura, an abrasion and water resistant fabric. The harness is made of Type 7 Webbing.

Color: Foliage green 504

Weight:

System Weight: 41 lbs; Main Canopy Assembly weight with T-11 Harness: 26 lbs; T-11R Reserve Assembly weight: 15 lbs

Size: Main canopy is 32' in diameter. Reserve canopy is 24' in diameter.

Status: MS-C/Full Rate Production was approved 29 Sep 05. FRP Contract was awarded 21 Apr 06. First Unit Equipped, 1st Special Forces Group, was fielded in May 06.

